

Title (en)

Radiation imaging apparatus, processing method therefor, and radiation imaging system

Title (de)

Strahlungsabbildungsvorrichtung, Verarbeitungsverfahren dafür und Strahlungsabbildungssystem

Title (fr)

Appareil d'imagerie par radiation, son procédé de traitement et système d'imagerie par radiation

Publication

**EP 2214399 A2 20100804 (EN)**

Application

**EP 10151817 A 20100127**

Priority

JP 2009017130 A 20090128

Abstract (en)

A radiation imaging apparatus includes imaging means (106) configured to perform imaging by using a plurality of image capture elements for accumulating electric charges, storage means (124) configured to store an offset correction image, correction image generation means (120) configured, when capturing a radiation image through radiant-ray irradiation, to combine the offset correction image with an image captured by using a part of the plurality of image capture elements through the imaging means (106) without radiant-ray irradiation to update the offset correction image, and a correction processing means (105) configured to correct the radiation image captured by radiant-ray irradiation, based on the offset correction image.

IPC 8 full level

**H04N 5/217** (2011.01); **A61B 6/00** (2006.01); **H04N 5/32** (2006.01)

CPC (source: EP US)

**H04N 5/32** (2013.01 - US); **H04N 23/30** (2023.01 - EP); **H04N 25/671** (2023.01 - EP US)

Citation (applicant)

JP 2008036405 A 20080221 - CANON KK

Cited by

CN102670222A; CN104605873A; US9615811B2; EP2663879B1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

**EP 2214399 A2 20100804**; **EP 2214399 A3 20150114**; JP 2010172429 A 20100812; JP 5561938 B2 20140730; KR 101235260 B1 20130222; KR 20100087639 A 20100805; US 2010187410 A1 20100729; US 2012074328 A1 20120329; US 8097858 B2 20120117; US 8258463 B2 20120904

DOCDB simple family (application)

**EP 10151817 A 20100127**; JP 2009017130 A 20090128; KR 20100005036 A 20100120; US 201113313381 A 20111207; US 69388910 A 20100126